## Проверка гипотезы однородности выборок по Вилкоксону

При уровне значимости $\alpha$ проверить гипотезу об однородностидвух выборок ${ }^{1}$

## Задача L-48.1.

$x_{i}=3,4,5,6,8,9$
$y_{i}=1,2,7,10,11,12,13,14$
$Q=\alpha / 2=0.005$

## Задача L-48.3.

$x_{i}=8,12,20,24,28,36$
$y_{i}=4,16,32,40,44,48,52$,
$Q=\alpha / 2=0.005$

```
Задача L-48.5.
x
yi}=1,3,5,8,11,12,13,1
Q=\alpha/2=0.010
```

$$
\begin{aligned}
& \text { Задача L-48.7. } \\
& x_{i}=10,13,19,25,31,34 \\
& y_{i}=4,7,16,22,28,37,40,43 \\
& Q=\alpha / 2=0.005
\end{aligned}
$$

## Задача L-48.9.

$x_{i}=7,13,16,19,22,25$
$y_{i}=4,10,28,31,34,37,40$,
$Q=\alpha / 2=0.010$

## Задача L-48.2.

$x_{i}=4,6,8,9,10,11$
$y_{i}=5,7,12,13,14,15,16$,
$Q=\alpha / 2=0.005$

## Задача L-48.4.

$x_{i}=6,10,18,22,26,34$
$y_{i}=2,14,30,38,42,46,50,54$
$Q=\alpha / 2=0.025$

## Задача L-48.6.

$x_{i}=2,3,4,5,7,8$
$y_{i}=1,6,9,10,11,12,13,14$
$Q=\alpha / 2=0.010$

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Задача L-48.8.
\(x_{i}=7,13,19,25,31,34\)
\(y_{i}=4,10,16,22,28,37,40,43\)
\(Q=\alpha / 2=0.010\)
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## Задача L-48.10.

$x_{i}=10,16,19,25,31,34$
$y_{i}=4,7,13,22,28,37,40,43$
$Q=\alpha / 2=0.005$

$$
\begin{aligned}
& \text { Задача L-48.12. } \\
& x_{i}=3,5,6,7,9,11 \\
& y_{i}=4,8,10,12,13,14,15, \\
& Q=\alpha / 2=0.010
\end{aligned}
$$

$$
\begin{aligned}
& \text { Задача L-48.14. } \\
& x_{i}=4,8,16,20,28,32 \\
& y_{i}=12,24,36,40,44,48,52, \\
& Q=\alpha / 2=0.010
\end{aligned}
$$

[^0]
## Задача L-48.15.

$x_{i}=7,15,23,31,35,39$
$y_{i}=3,11,19,27,43,47,51,55$
$Q=\alpha / 2=0.005$

## Задача L-48.17.

$x_{i}=4,7,13,16,22,28$
$y_{i}=10,19,25,31,34,37,40$,
$Q=\alpha / 2=0.010$

Задача L-48.16.
2
$x_{i}=1,7,13,19,22,25$
$y_{i}=4,10,16,28,31,34,37$,
$Q=\alpha / 2=0.005$

## Задача L-48.18.

$x_{i}=5,9,13,17,19,21$
$y_{i}=3,7,11,15,23,25,27,29$
$Q=\alpha / 2=0.050$

## Задача L-48.20.

$x_{i}=3,4,5,6,7,9$
$y_{i}=2,8,10,11,12,13,14,15$
$Q=\alpha / 2=0.005$

## Задача L-48.22.

$x_{i}=4,7,10,16,22,25$
$y_{i}=1,13,19,28,31,34,37$,
$Q=\alpha / 2=0.025$

## Задача L-48.24.

$x_{i}=2,4,5,6,7,8$
$y_{i}=1,3,9,10,11,12,13,14$
$Q=\alpha / 2=0.050$

## Задача L-48.26.

$x_{i}=4,6,8,10,12,16$
$y_{i}=2,14,18,20,22,24,26,28$
$Q=\alpha / 2=0.050$

> Задача L-48.28.
> $x_{i}=4,7,13,19,22,25$
> $y_{i}=1,10,16,28,31,34,37$,
> $Q=\alpha / 2=0.005$

> Задача L-48.30.
> $x_{i}=12,16,20,24,32,36$
> $y_{i}=4,8,28,40,44,48,52,56$
> $Q=\alpha / 2=0.005$

## Проверка гипотезы однородности выборок по Вилкоксо-

 ну30-Nov-19

| Jio | $W_{\text {набл }}$ | $W_{\text {нижж }}$ | $W_{\text {верх }}$ | Порядкк,ном. |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 1 | 35 | 25 | 65 | $3,4,5,6,8,9$, | homogeneous |
| 2 | 30 | 24 | 60 | $1,3,5,6,7,8$, | homogeneous |
| 3 | 32 | 24 | 60 | $2,3,5,6,7,9$, | homogeneous |
| 4 | 32 | 29 | 61 | $2,3,5,6,7,9$, | homogeneous |
| 5 | 38 | 27 | 63 | $2,4,6,7,9,10$, | homogeneous |
| 6 | 29 | 27 | 63 | $2,3,4,5,7,8$, | homogeneous |
| 7 | 42 | 25 | 65 | $3,4,6,8,10,11$, | homogeneous |
| 8 | 41 | 27 | 63 | $2,4,6,8,10,11$, | homogeneous |
| 9 | 32 | 25 | 59 | $2,4,5,6,7,8$, | homogeneous |
| 10 | 43 | 25 | 65 | $3,5,6,8,10,11$, | homogeneous |
| 11 | 30 | 30 | 54 | $1,2,4,6,8,9$, |  |
| 12 | 29 | 25 | 59 | $1,3,4,5,7,9$, | homogeneous |
| 13 | 36 | 30 | 54 | $2,4,6,7,8,9$, | homogeneous |
| 14 | 27 | 25 | 59 | $1,2,4,5,7,8$, | homogeneous |
| 15 | 39 | 25 | 65 | $2,4,6,8,9,10$, | homogeneous |
| 16 | 33 | 24 | 60 | $1,3,5,7,8,9$, | homogeneous |
| 17 | 28 | 25 | 59 | $1,2,4,5,7,9$, | homogeneous |
| 18 | 39 | 31 | 59 | $2,4,6,8,9,10$, | homogeneous |
| 19 | 26 | 24 | 60 | $1,2,4,5,6,8$, | homogeneous |
| 20 | 28 | 25 | 65 | $2,3,4,5,6,8$, | homogeneous |
| 21 | 40 | 27 | 63 | $3,5,6,7,9,10$, | homogeneous |
| 22 | 32 | 27 | 57 | $2,3,4,6,8,9$, | homogeneous |
| 23 | 36 | 30 | 54 | $2,3,5,7,9,10$, | homogeneous |
| 24 | 32 | 31 | 59 | $2,4,5,6,7,8$, | homogeneous |
| 25 | 32 | 25 | 65 | $2,3,4,6,8,9$, | homogeneous |
| 26 | 28 | 31 | 59 | $2,3,4,5,6,8$, |  |
| 27 | 38 | 27 | 63 | $3,4,5,7,9,10$, | homogeneous |
| 28 | 34 | 24 | 60 | $2,3,5,7,8,9$, | homogeneous |
| 29 | 26 | 30 | 54 | $1,2,3,5,7,8$, |  |
| 30 | 35 | 25 | 65 | $3,4,5,6,8,9$, | homogeneous |

$L$-48 файл 48L2-AnsA


[^0]:    ${ }^{1}$ Гмурман В.Е. Руководство к решению задач по теории вероятностей и математической статистике. М.:1969. с. 248.

